

20020409.qrp v02\_n520.qrl.20020409

Date: Tue, 9 Apr 2002 19:03:08 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2520

QRP-L Digest 2520

Topics covered in this issue include:

- 1) [124216] Electrically Short Antenna with MUCH Better Efficiency  
by John R Kirby <n3aaz-qrp@juno.com>
- 2) [124217] The Gift Farie has flown.  
by Ted Kell <tedkell@ev1.net>
- 3) [124218] S-Meters  
by Ted Kell <tedkell@ev1.net>
- 4) [124219] Re: Stolen QRP gear  
by "Phinizy, William" <wphinizy@filenet.com>
- 5) [124220] Argonaut II backlight  
by "Dave Benham" <dodgeboy@mindspring.com>
- 6) [124221] RARSFEST this Sunday  
by Paul Stroud <aa4xx@ipass.net>
- 7) [124222] About the list (was: Stolen QRP gear)  
by "John J. McDonough" <wb8rcr@arrl.net>
- 8) [124223] Modifing an MFJ 1700B Antenna Switch  
by "Rod N0RC" <rod@n0rc.com>
- 9) [124224] Re: Electrically Short Antenna with MUCH Better Efficiency  
by IamSF5@aol.com
- 10) [124225] Re: Stolen QRP gear  
by "Delbert Long" <ad6we@hotmail.com>
- 11) [124226] Re: Electrically Short Antenna with MUCH Better Efficiency  
by "Walter AG5P" <walter@cowboy.com>
- 12) [124227] Re: Charts question  
by "DIANNE M WISE" <roy537@prodigy.net>
- 13) [124228] Re: Stolen QRP gear  
by "DIANNE M WISE" <roy537@prodigy.net>
- 14) [124229] current email for KK5PY, Dennis Foster?  
by "Scott D. Foster" <lojack@cox.net>
- 15) [124230] RE:Tandy 100 LOGGING PROGRAM - "Free"  
by "Sam Billingsley" <sambillingsley@earthlink.net>
- 16) [124231] Re: Electrically Short Antenna with MUCH Better Efficiency  
by Steven Weber <kd1jv@moose.ncia.net>
- 17) [124232] Whatizit?  
by Ted Kell <tedkell@ev1.net>
- 18) [124233] Re: Stolen QRP gear  
by "Lee Mairs" <lmairs@cox.rr.com>
- 19) [124234] Re: WTB STEpper motor

- by Don <dwittlic@APCI.net>
- 20) [124235] Re: Stolen QRP gear  
by "James R. Duffey" <jamesd1@flash.net>
- 21) [124236] Re: Whatizit?  
by "George, W5YR" <w5yr@att.net>
- 22) [124237] [Fwd:222 MHz Transverter for the FT-817]  
by Paul Womble <pwomble1@tampabay.rr.com>
- 23) [124238] Re: Argonaut II backlight  
by Pete Burbank <plburbank@kih.net>
- 24) [124239] Arkiecon--Another Great Time In Razorback Country  
by DYARNES@aol.com
- 25) [124240] SWL RIT Kits Needed  
by "Brice D. Hornback" <bdh@cyberbound.net>
- 26) [124241] Another Atlanticon report  
by Mike Czuhajewski <wa8mcq@comcast.net>
- 27) [124242] Re: About the list (was: Stolen QRP gear)  
by Pete Burbank <plburbank@kih.net>
- 28) [124243] antenna course  
by Tom Feeny <tfeeny@comcast.net>
- 29) [124244] Re: Arkiecon--Another Great Time In Razorback Country  
by "Dave Fifield" <dave@redhotradio.com>
- 30) [124245] Re: Another Atlanticon report  
by "Dave Fifield" <dave@redhotradio.com>
- 31) [124246] freqmites wanted  
by Gary Lee <kb9zuv@arrl.net>
- 32) [124247] Re: antenna course  
by "WI8W" <wi8w@arrl.net>
- 33) [124248] Re: current email for KK5PY, Dennis Foster?  
by "Joe Spencer" <kk5na@quadj.com>
- 34) [124249] Re: Stolen QRP gear  
by "Mike Yetsko" <myetsko@insydesw.com>
- 35) [124250] Marine Mobile 2 Watts Kayak  
by Jim Cluett <w1pid@yahoo.com>
- 36) [124251] New Dummy Load Kits - WOW!  
by "Brice D. Hornback" <bdh@cyberbound.net>
- 37) [124252] Re: Electrically Short Antenna with MUCH Better Efficiency  
by Jake Brodsky <frussle@erols.com>
- 38) [124253] MI QRP net tonight  
by "Kwik, Ed " <ed.kwik@delphiauto.com>
- 39) [124254] Re: WTB STEpper motor  
by "Francis Callahan" <colcal@srv.net>
- 40) [124255] Re: Dual gate FET's  
by Charlie Fitts <cfitts@snet.net>
- 41) [124256] Scientific American Article  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 42) [124257] Re: Scientific American Article  
by "Mike Yetsko" <myetsko@insydesw.com>
- 43) [124258] Re: Scientific American Article

by "Mark J. Dulcey" <mark@buttery.org>  
44) [124259] Re: Dual gate FET's  
by "Mark J. Dulcey" <mark@buttery.org>  
45) [124260] Stinger Singer Frequency Counter  
by "Bob Hightower" <nk7m@extremezone.com>  
46) [124261] re: antenna course  
by Tom Feeny <tfeeny@comcast.net>  
47) [124262] More on dual gate MOSFETS  
by Pete Burbank <plburbank@kih.net>  
48) [124263] re: antenna course  
by Pat Cain <pcain@ix.netcom.com>  
49) [124264] Noise Bridge  
by "Brad Hernlem" <alihernlem@hotmail.com>  
50) [124265] Re: More on dual gate MOSFETS  
by "Brad Hernlem" <alihernlem@hotmail.com>  
51) [124266] new "TIN" from AOL  
by "jerry brown" <jmbrown@edge.net>  
52) [124267] Re: More on dual gate MOSFETS  
by "Leon Heller" <leon\_heller@hotmail.com>  
53) [124268] Re: Whatizit?  
by "Leon Heller" <leon\_heller@hotmail.com>  
54) [124269] More info Re: Modifing an MFJ 1700B Antenna Switch  
by "Rod N0RC" <rod@n0rc.com>  
55) [124270] OT: rig prices  
by David Heintzleman <pstrdave@kdsi.net>  
56) [124271] Ramsey QRP Kits  
by "John McKown" <jmckown@access.k12.wv.us>  
57) [124272] Re: OT: rig prices  
by <igeq100@iupui.edu>  
58) [124273] New call, new e-mail addy (in a few hours)  
by "Rob Matherly" <kc0bom@arrl.net>  
59) [124274] Re: SG-2020 reduced  
by "John Dorson" <jdorson@Worldshare.net>  
60) [124275] WANTED  
by "John Dorson" <jdorson@Worldshare.net>  
61) [124276] Power Plug Size for FT-817  
by K9nk@aol.com  
62) [124277] Re: Dual gate FET's  
by Charlie Fitts <cfitts@snet.net>  
63) [124278] Frequency Counters  
by Steven Weber <kd1jv@moose.ncia.net>  
64) [124279] Re: Power Plug Size for FT-817  
by Chuck Carpenter <w5usj@9plus.net>  
65) [124280] Wright Tapes - Still in business?  
by Jim Durkin <jimdurkin@yahoo.com>  
66) [124281] Re: Frequency Counters  
by "Lee Mairs" <lmairs@cox.rr.com>  
67) [124282] Re: Dual gate FET's

- by Steven Weber <kd1jv@moose.ncia.net>
- 68) [124283] Re: Power Plug Size for FT-817  
by "DIANNE M WISE" <roy537@prodigy.net>
- 69) [124284] Re: OT: rig prices  
by "Karl F. Larsen" <k5di@zianet.com>
- 70) [124285] Picked up the new rig at the Post Office today  
by "Bill, N4QA" <n4qa@hotmail.com>
- 71) [124286] Arkiecon, Part 1 (Long)  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 72) [124287] Need Copy of NC20 Manual  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 73) [124288] Anderson Power Pole connector usage  
by "Rod N0RC" <rod@n0rc.com>
- 74) [124289] Re: Anderson Power Pole connector usage  
by "Paul Christensen" <w9ac@arrl.net>
- 75) [124290] Re: More on dual gate MOSFETS  
by Pete Burbank <plburbank@kih.net>
- 76) [124291] RE: [CQCLIST] Anderson Power Pole connector usage  
by "Mugleston, Brad" <brad.mugleston@gwl.com>

-----

Date: Mon, 8 Apr 2002 19:11:41 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: GQRP@yahooogroups.com, qrrp-I@yahooogroups.com, qrp-l@Lehigh.EDU  
Subject: [124216] Electrically Short Antenna with MUCH Better Efficiency  
Message-ID: <20020408.191252.-267397.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Design Approach . . .

Electrically Short Antenna  
(In Some Cases Extremely Short)  
for Much MUCH Better Efficiency

First, consider that since we can model the electrically short E-field antenna as a voltage source in terms of signal strength in series with reactance (antenna capacitance is only a few Pico Farad per foot) and the radiation resistance at the frequency of interest.

Second, for the purpose of this discussion consider this example, an operating frequency of 40 meters using a 3-meter vertical whip over a good ground plane. At this frequency the radiation resistance is very, very small and the loss resistance is so many orders of magnitude below the capacitate reactance this configuration can be modeled as a capacitor

in series with a signal source that results with a source impedance of several Meg Ohm.

The model proves, to more efficiently recover signals available at the base of this antenna the input impedance of our receiver needs to be at least an order of magnitude larger than the source impedance.

In other words (subjectively), to prevent "loading" the 7 MHz signal present at the base of our 3-meter whip, the receiver input impedance needs to be at least 10 times larger than the source impedance (in this case several Meg Ohm).

How can this be accomplished?

With a source follower (#1) in front of any low impedance gain stage (i.e. our receiver). Note one also provides a proven circuit schematic using common HF components; one MPF102, three 2N3904 (same as 2N2222), two 1N914, a few R-s and C-s and one pot.

I find this VERY intriguing and will to build one.

I am sure there are enough SHORT antenna "owners" on this list with a hot soldering iron to provide sufficient feedback.

Who is interested?

If you can't hear 'em. . .  
u can't work 'em.

John  
N3AAZ  
FM 19 xa

#1, Scott Fusare, N2BJW, "Some Thoughts on E-field Whistler Receiver Design"

-----  
GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/web/>.

-----  
Date: Mon, 08 Apr 2002 18:27:00 -0500

From: Ted Kell <tedkell@ev1.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [124217] The Gift Farie has flown.  
Message-ID: <200204081828875.SM00311@default>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Today, I checked my mail after going to Arkiecon and found that the Gift Farie had dropped two presents into my box. The first was SPRAT 110. As usual, full of information. It was particularly appropriate to those that went to Arkiecon. If you didn't go, I'm not going to tell you why. The second gift was from AOL. ANOTHER 1000 hours free, AOL 7.0 CD. Oh joy. However, this time it came in a neat flat metal box. I can just see it, the AOL Challenge. What can you build in a 5-1/2 X 4-3/4 X 5/16 inches? SMD for sure.

73

N3Ted

-----  
Date: Mon, 08 Apr 2002 18:27:06 -0500  
From: Ted Kell <tedkell@ev1.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [124218] S-Meters  
Message-ID: <200204081828784.SM00311@default>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Those that went to Arkiecon, checkout p14 of SPRAT 110, just arrived in my mail.

:)

73

N3Ted

-----  
Date: Mon, 8 Apr 2002 16:35:18 -0700  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [124219] Re: Stolen QRP gear

Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F087415D6@hq-expo2.filenet.com>

..What Chuck (ever the gracious gentleman) won't tell you is that he paid a \*more than fair\* price for the 2N2/40 and documentation -- as a generous donation to Jay's estate.

Bill, k6whp

-----  
Date: Mon, 8 Apr 2002 19:52:53 -0400

From: "Dave Benham" <dodgeboy@mindspring.com>

To: <qrp-l@lehigh.edu>

Subject: [124220] Argonaut II backlight

Message-ID: <011001c1df58\$81253560\$bbd179a5@hqa.chrysler.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

About 3 years ago there was a thread either here or the TenTec reflector about doing a group buy for backlight material for the Argonaut II (same arrangement on the Delta II). I have not been able to find my entire reference to that and it may be time for me to change the backlight material on my Argo II. I believe the company that sold the material was Eltech in Austin, TX and I haven't been able to find any solid information on that company.

Does anyone know where this backlight material can be obtained, or how to contact Eltech? TenTec is out of the replacement part.

Thanks.

Dave K8TRF

-----  
Date: Mon, 08 Apr 2002 19:54:09 -0400

From: Paul Stroud <aa4xx@ipass.net>

To: klqrp@knightlites.org

Cc: QRP-L@lehigh.edu

Subject: [124221] RARSFEST this Sunday

Message-ID: <3CB22DA1.B2B8996C@ipass.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

We look forward to seeing you at the Raleigh ARS Hamfest this coming Sunday.

Sir Todd, AG4AY and Sir Rhett, KE4HIH will be presenting topics of keen interest during the QRP Forum, which takes place from 1-2PM in Meeting Room #1, directly behind the stage.

Those who would like to eat lunch together are asked to meet at the stage area at 11:20AM.

Looking forward to seeing you at RARSFEST! 72, Paul AA4XX

-----  
Date: Mon, 8 Apr 2002 19:58:13 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [124222] About the list (was: Stolen QRP gear)  
Message-ID: <00a101c1df59\$430d19e0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Phinizy, William" <wphinizy@filenet.com>  
Subject: Re: Stolen QRP gear

> ..What Chuck (ever the gracious gentleman)

Chuck, I apologize, you're not going to like me singling you out like this....

Did you ever notice that there are a few folks, most obviously Chuck, but some others come to mind ... Paul Harden, Jim Kortge, Dave Benson, Dave Fifield, I'm sure I'm forgetting some. But there are a few folks on the list that everyone has tremendous respect for.

Did you ever notice what sets these gentlemen apart? (and I use the term gentlemen in the fullest sense of the word).



Sure they know a thing or two, but they also never say uncharitable things about their fellow hams. The topic is always relevant to the hobby. Maybe not always technical, but always on topic, and never unkind.

When your fellow QRP-Lers think of you, do you want to be thought of as someone who cares about the hobby and about their partners in QRPdom? Or would you rather be thought of as someone who is quick to criticize, anxious only to one-up the other list members? Someone who is ill-tempered and self-impressed.

Next time someone gets you all riled up, before you hit the send button, ask yourself ... Is this better left unsaid? Would Chuck say that?

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 8 Apr 2002 18:37:32 -0600  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
"cqc-l" <CQCLIST@yahoogroups.com>,  
Subject: [124223] Modifing an MFJ 1700B Antenna Switch  
Message-ID: <004001c1df5e\$bce727b0\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After reading Sam's (AE4GX) article about the 1700B:  
<http://www.qsl.net/ae4gx/MFJCoaxswmod.html> (introduced in a QRP-L posting 04-Apr-2002) I got to wondering about 1700B. I always felt it had an effect on my antenna tuning. So, I did some science. First, as a reference I used this setup:

XCVR-< <---> > 4:1 Balun <==== ANT

<---> = ~2ft of RG-8X coax

<==== = ~25ft of 300 twin lead

ANT = "random length" doublet  
in attic ~20ft elevation

XCVR = 746pro, K2 with KAT2

The balun is a homebrew device 14 turns on a FT114-43

Here are the Tuning results:

|    | 746pro | K2     |              |
|----|--------|--------|--------------|
| 80 | NT     | ~3.1:1 | NT = No Tune |
| 40 | NT     | 1.1:1  |              |
| 30 | <1.5:1 | 1.1:1  |              |
| 20 | <1.5:1 | 1.0:1  |              |
| 17 | <1.5:1 | 1.3:1  |              |
| 15 | <1.5:1 | 1.3:1  |              |
| 12 | <1.5:1 | 1.7:1  |              |
| 10 | <1.5:1 | 1.1:1  |              |

Then I put the unmodified 1700B in circuit and made another set of measurements:

XCVR-< <---> >1700B< <---> >4:1 Balun <==== ANT

|    | 746pro    | K2        |     |
|----|-----------|-----------|-----|
| 80 | not meas. | not meas. |     |
| 40 | not meas. | 1.5:1     |     |
| 30 | <1.5:1    | 1.3:1     |     |
| 20 | <1.5:1    | 1.6:1     |     |
| 17 | NT        | 1.3:1     |     |
| 15 | <1.5:1    | 2.4:1     | !!! |
| 12 | <1.5:1    | 1.2:1     |     |
| 10 | <1.5:1    | 1.0:1     |     |

Then I modified my 1700B as Sam did. Also, In Sam's pictures and in my switch I noticed some capacitors in the SW. They were connected from the coax center lead to ground on the COM leads:

| ANT INPUTS |       |  | XCVR INPUTS |  |
|------------|-------|--|-------------|--|
| >--+       |       |  | +---<       |  |
|            |       |  |             |  |
| >--+       |       |  | +---<       |  |
|            |       |  |             |  |
| >--+---+<  | COM   |  | >--+---+<   |  |
|            |       |  |             |  |
| >--+ =     | "47M" |  | = +---<     |  |
|            | cap   |  |             |  |
| >--+ V     | to    |  | V +---<     |  |

```

      |           GND           |
>---+                         +---<

```

I removed the caps and made a final set of measurement:

```

      1700B in Circuit
      746pro      K2
80    not meas.  not meas.
40    NT         1.1:1
30    <1.5:1     1.2:1
20    <1.5:1     1.2:1
17    NT         1.1:1
15    <1.5:1     1.2:1
12    <1.5:1     1.7:1
10    <1.5:1     1.1:1

```

#### CONCLUSIONS:

With Sam's mod. and removal of the caps the 1700B is a better switch for my station setup. Your mileage may vary. I encourage experimenting if you have this switch, MFJ 1700B.

I can't see the logic of having the caps in the original design. The only possible reason is a "lumped constant" to even out the impedance "bump" imposed by the original switch design.

73, Rod N0RC  
Ft Collins, CO

```

-----
Date: Mon, 8 Apr 2002 20:40:42 EDT
From: IamSF5@aol.com
To: n3aaz-qrp@juno.com, qrp-1@lehigh.edu
Subject: [124224] Re: Electrically Short Antenna with MUCH Better Efficiency
Message-ID: <12b.f5b2304.29e3928a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

```

In a message dated 4/8/02 7:15:15 PM Eastern Daylight Time,  
n3aaz-qrp@juno.com writes:

```
<<
  I find this VERY intriguing and will to build one.
```

I am sure there are enough SHORT antenna "owners" on this list with a hot soldering iron to provide sufficient feedback.

Who is interested?

>>

Me,

The shorter the better.

I just worked OK2BSY on 40 with the former HQQ home-brew window antenna 8 feet long.

Take a hearing on 40 about 2AM (0600 UTC) and listen to all the DX.

I hear them all.

Bob

AF2Qrp <tm>

-----  
Date: Tue, 09 Apr 2002 01:13:26 +0000  
From: "Delbert Long" <ad6we@hotmail.com>  
To: brian@iquest.net, qrp-1@Lehigh.EDU  
Subject: [124225] Re: Stolen QRP gear  
Message-ID: <F210Wasz48KrLTAW49J000165f0@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

City is Fullerton, CA

Grid Square DM13av

I don't have much hope...the stuff wasn't worth much in dollars...I wouldn't be surprised if the jerks just toss it out. I might make a report with the P.D., but they would just say don't leave stuff in the back of your pickup dummy. Maybe they wouldn't say the "dummy" part out loud, but that's what the voices in my head are saying.

I was just careless, that's all. I was working on a portable antenna at lunchtime, and didn't remember to take the stuff in when I got home. When I missed it, I just figured that I must have left it at work, and when I got here it was nowhere to be found.

So, now I can put my HW-8 back together, and get back to work on the 2N2/40 that I need to finish.

At least I still have my antenna! BTW, the NE 4040 had some problems with sidetone, so a week ago Sunday, I took out my SMK-1 and made my first 1000 mile per watt QSO! So the news isn't all bad.

De1, AD6WE

-----

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----  
Date: Mon, 8 Apr 2002 19:20:38 -0600  
From: "Walter AG5P" <walter@cowboy.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [124226] Re: Electrically Short Antenna with MUCH Better Efficiency  
Message-ID: <200204081920.AA99025028@mail.cowboy.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

There are a lot of active antenna and pre-amps  
available for what you are thinking of building.  
But, like you, I think it is way more fun to  
build something up.

I am game!  
72/73 Walter, AG5P

-----  
Date: Mon, 8 Apr 2002 21:27:51 -0400  
From: "DIANNE M WISE" <roy537@prodigy.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124227] Re: Charts question  
Message-ID: <006101c1df65\$c5128220\$4a97ff3f@rcrosier>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

While we are at it, I would like to know the source of a chart of all cable  
TV frequencies. I have an old one from  
1983 or so, but would like the latest assignments. It helps to be able to  
call the CATV company and say that you are hearing their specific channel on  
the radio rather than giving a frequency. You would not imagine how much  
grief I got the last time I called the CATV service center and told them  
that some of their signal was leaking out on the two meter band. The  
minimum wage call takers assumed that only a nut case would claim that the  
TV cable was "leaking" and it took me almost 45 minutes to be put through to  
someone that knew what I was complaining about.

Roy KE0UQ/8  
----- Original Message -----  
From: "W2WU" <w2wurjj@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, April 08, 2002 12:29 PM  
Subject: Charts question

> Contact ARRL, Mouser, major distributors, Radio manufactures, Clubs. Often  
> give free. Plead EDUCATION. 73, Ron W2WU  
>  
>

-----  
Date: Mon, 8 Apr 2002 21:38:20 -0400  
From: "DIANNE M WISE" <roy537@prodigy.net>  
To: <ad6we@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124228] Re: Stolen QRP gear  
Message-ID: <00a501c1df67\$3b66c160\$4a97ff3f@rcrosier>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The first day that I attended the police academy they told me "the solving of one crime often leads to the solving of additional crimes....." That was a long time ago, I'm retired from the department now, but it is still true. I urge you to report all crimes, no matter how small. Sure, you may get a young know-it-all smart mouth officer to take your report, or an old case-hardened cynical sergeant who really does think you are a dummy. You also however take the chance that the property is already recovered and the police are searching for a complaintant to file charges against someone that they know is a repeat offender. Be sure you file the report in the jurisdiction where the theft actually took place.

Roy KE0UQ/8

----- Original Message -----  
Subject: Re: Stolen QRP gear

> I don't have much hope...the stuff wasn't worth much in dollars...I  
wouldn't  
> be surprised if the jerks just toss it out. I might make a report with  
the  
> P.D., but they would just say don't leave stuff in the back of your pickup

-----  
Date: Mon, 8 Apr 2002 21:42:33 -0500  
From: "Scott D. Foster" <lojack@cox.net>  
To: <qrp-1@lehigh.edu>  
Subject: [124229] current email for KK5PY, Dennis Foster?  
Message-ID: <NEBBLNKLGEKGKLLPLHPOAEOKCFAA.lojack@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Does anybody have Dennis's current email address? I need to get ahold of him. Thanks!

Scott  
K5PBJ

-----  
Date: Mon, 8 Apr 2002 22:46:44 -0400  
From: "Sam Billingsley" <sambillingsley@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [124230] RE:Tandy 100 LOGGING PROGRAM - "Free"  
Message-ID: <016401c1df70\$c94ef250\$6d3cfea9@BIGBOX>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Try my web page at <http://www.qsl.net/ae4gx/>

Click on Previously featured projects at bottom of main page then click on

<http://www.qsl.net/ae4gx/Tandylogger.htm>

Let me know how you like it.

Sam AE4GX

-----

Date: Mon, 08 Apr 2002 22:06:23 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [124231] Re: Electrically Short Antenna with MUCH Better Efficiency  
Message-ID: <3.0.6.32.20020408220623.007bad40@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

What your discribing is very common, especially for VLF antennas. Lots of short whips and preamps published for that application. I built an active HF dipole with a Maxum diff input RF op amp, using a circuit published in Electronics Design's "Tips for Design" collum a few years back that worked pretty good. Used some TV "rabbit ears" for the dipole. Had a pair of jfets as the high impedance buffers to the op amp.

The problem of course, is that these are receive only antennas, so you still need to come up with a decent transmitting antenna and do T/R switching between the two. If you have a decent transmitting antenna, then not a whole lot of need for the active Rx antenna, as your Tx antenna will probably hear okay too.

The real holly grail is still to find that ellusive, electrically short and turely effiecent transmitting antenna.

But hey, playing with short whips and preamps can be fun, so go for it! Real small shielded magnetic loops work pretty good too.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Mon, 08 Apr 2002 22:05:19 -0500  
From: Ted Kell <tedkell@ev1.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [124232] Whatizit?  
Message-ID: <200204082206669.SM00311@default>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I went to the Ft Smith Hamfest this past weekend and had a lot of fun. I would like to thank Jay, and the Ft Smith QRP group for puttin on such an outstanding QRP event.. While there in the flea market, I found a something. I am hoping that someone



can help me figure out what it is. It has  
a label, both inside and out that says "March 1980 Ham Radio" It has five volt  
power supply inside using an LM309K.  
There is a circuit board that looks commercially etched that has two 555 chips,  
It has four 50 ohm trim pots. The pots  
are connected to a 6 pole, 2 position rotary switch ( I hope I got that right,  
there are two switches, each with the center  
and 6 other contacts). The switch position has labels of .1, .01, .001, 100, 50,  
and nothing for the last position. The  
other side of the pots feeds into a NE555 circuit and thence to a 1 ma meter.  
There are two binding posts on the front,  
and an off/on switch with a power indicator LED.  
Whatizit? I bought it because it has most of the external elements to make a  
LM317 variable power supply. I do not,  
however, want to destroy what is there if it is the find of the century.  
Thanks for any help you can offer.  
Ted  
N3Ted

-----  
Date: Mon, 8 Apr 2002 23:26:43 -0400  
From: "Lee Mairs" <lmairs@cox.rr.com>  
To: <ad6we@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [124233] Re: Stolen QRP gear  
Message-ID: <007e01c1df76\$5f7f5580\$6401a8c0@cox.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'd make the PD report anyway. At least it will make the crime figures  
reflect what they should, and you never can tell...  
73 de Lee  
km4yy

A penny saved is a government oversight.  
-- Ray Colbert

----- Original Message -----  
From: "Delbert Long" <ad6we@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, April 08, 2002 9:13 PM  
Subject: Re: Stolen QRP gear

> City is Fullerton, CA  
> Grid Square DM13av  
>  
> I don't have much hope...the stuff wasn't worth much in dollars...I  
wouldn't  
> be surprised if the jerks just toss it out. I might make a report with  
the  
> P.D., but they would just say don't leave stuff in the back of your pickup  
> dummy. Maybe they wouldn't say the "dummy" part out loud, but that's what  
> the voices in my head are saying.  
>  
> I was just careless, that's all. I was working on a portable antenna at  
> lunchtime, and didn't remember to take the stuff in when I got home. When  
I  
> missed it, I just figured that I must have left it at work, and when I got  
> here it was nowhere to be found.  
>  
> So, now I can put my HW-8 back together, and get back to work on the  
2N2/40  
> that I need to finish.  
>  
> At least I still have my antenna! BTW, the NE 4040 had some problems with  
> sidetone, so a week ago Sunday, I took out my SMK-1 and made my first 1000  
> mile per watt QSO! So the news isn't all bad.  
>  
> Del, AD6WE  
>  
> -----  
> Chat with friends online, try MSN Messenger: <http://messenger.msn.com>  
>

-----  
Date: Mon, 08 Apr 2002 22:40:53 -0500  
From: Don <dwitttlic@APCI.net>  
To: n2go@arrl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [124234] Re: WTB STEpper motor  
Message-ID: <3CB262C5.B4E597BB@APCI.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim,  
I used a couple of 24 Volt Ledex rotary solenoids

in a project and caution you that unless they are isolation mounted in rubber, their operation will sound like a mule kicking down a tin barn. even with isolation mounts, the wiring of the wafers will tend to transmit vibration to the rest of the chassis.

Assuming the stepping selector switch function will be changing the configuration of the tuner, (L to PI to other L to Tee, perhaps), you might consider doing the same switching job using some heavy duty single pole reed relays. Because you have the ability to energize only the reeds that you need, you may find that numerous configurations can be selected by using just a few reeds plus a complex cheap matrix of diodes to select the desired combination of switching. Considering that this is a large project that you will want to use for a long time, reeds will give you the flexibility for future enhancements that would be hard to achieve with swapping switch wafers. Another reed advantage is that they can be physically placed more directly where needed rather than routing all of the switchable points back to a central switch. I believe commercially made tuners use reeds for switching inductance and capacitance, so why not in substitution for the Ledex switch?

Sounds like a nice project.

--Don

n2go@arrl.net wrote:

>  
> I need parts for a tuner project.  
>  
> Stepper motor, unipolar (6/8 wire), NEMA 23, dual shaft , 1.0A max  
>  
> such as Superior Electric Slo-syn M061-FD-6102 - 11.2V/.44A dual shaft  
> or m)61-LS02E - 5V/1A/ dual shaft  
>  
> Also need rotary solenoid 12 steps/rev 24vdc/3.11A Ledex series 50-L  
>  
> Seems far out but I bet that someone on this list has a box full of these  
> things :))

>

>

>  
> Jim n2go

-----  
Date: Mon, 08 Apr 2002 21:42:36 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <k7qo@earthlink.net>, qrp-1 <qrp-1@lehigh.edu>  
Subject: [124235] Re: Stolen QRP gear  
Message-ID: <B8D7BF4C.13B7C%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Chuck - Your comment:

"Joe Carr became a silent key last year and I don't believe it was ever brought up on the list."

is incorrect.

Joe's obituary was posted on the list at the time of his death, and Joe was fondly remembered by a number of people on the list. I believe that Joe's death occurred during one of those periods when you were inactive on the list, and hence you did not see the posts. Joe was a prolific writer. -  
Duffey

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Mon, 08 Apr 2002 22:45:11 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: tedkell@ev1.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [124236] Re: Whatizit?  
Message-ID: <3CB263C7.BC989735@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Capacitance meter. Had two alligator clips on the front, right? Circuit diagram in the magazine reference. Built one many years ago - they work well.

73/72/oo, George W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 56th year and it just keeps getting better!  
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735  
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Ted Kell wrote:

>  
> I went to the Ft Smith Hamfest this past weekend and had a lot of fun. I would  
like to thank Jay, and the Ft Smith QRP  
> group for puttin on such an outstanding QRP event..  
> While there in the flea market, I found a something. I am hoping that someone  
can help me figure out what it is. It has  
> a label, both inside and out that says "March 1980 Ham Radio" It has five volt  
power supply inside using an LM309K.  
> There is a circuit board that looks commercialy etched that has two 555 chips,  
It has four 50 ohm trim pots. The pots  
> are connected to a 6 pole, 2 position rotary switch ( I hope I got that right,  
there are two switches, each with the center  
> and 6 other contacts). The switch position has labels of .1, .01, .001, 100,  
50, and nothing for the last position. The  
> other side of the pots feeds into a NE555 circuit and thence to a 1 ma meter.  
There are two binding posts on the front,  
> and an off/on switch with a power indicator LED.  
> Whatizit? I bought it because it has most of the external elements to make a  
LM317 variable power supply. I do not,  
> however, want to destroy what is there if it is the find of the century.  
> Thanks for any help you can offer.  
> Ted  
> N3Ted

-----  
Date: Tue, 09 Apr 2002 00:12:58 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: QRP-L <qrp-l@lehigh.edu>, FP List <fpqrp-l@mpna.com>  
Subject: [124237] [Fwd:222 MHz Transverter for the FT-817]  
Message-ID: <3CB26A4A.CEF28861@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thought some of you might like to see this:

>  
> A project this winter has been a 222 MHz transverter for the  
> Yaesu FT-817 -- the only thing missing from this little wonder.  
> I've built a couple of them, have a couple of friends trying,  
> and have started to write it up.  
>  
> you can see a preview at:  
>  
> [www.w1ghz.org/222xvtr/222.htm](http://www.w1ghz.org/222xvtr/222.htm)  
>  
>  
> I have placed an order for some boards, to get a quantity discount  
> and get the price down. they should be here in  
> about 3 weeks. these are top-quality, double-sided, plated,  
> plated-through-holes, with silkscreen and soldermask. as a result,  
> they are much cheaper in volume than the prototype boards (which were  
> 3 for \$59).  
>  
> the price will be \$12 per board plus \$1 per order for shipping. however,  
> those who help get the boards moving will get a discount. if I get  
> a check before May 1 (gotta pay the Visa bill for the boards), the price  
> is \$10 per board plus \$1 per order. you can tell your friends; I'd be  
> happy to move them all.  
>  
> I'm still writing this up, so there will be updates posted on the webpage.  
> look in a few days -- I'll be adding links with revision dates.  
>  
> finally, I spoke to Steve at Down East today. he will be looking into  
> putting parts kits together (but not building transverters). he also  
> cautions that this project uses a good number of chip caps and resistors,  
> so it may not be for everyone. read carefully and look at the pictures  
> before you commit.  
>  
> 73  
> paul  
>  
>

-----  
Date: Tue, 09 Apr 2002 00:32:37 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124238] Re: Argonaut II backlight  
Message-ID: <5.0.2.1.0.20020409001650.00a6e0c0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

A friend had a Delta and I guess the back lighting was a big bugaboo. My hazy recollection ( it's on a crashed harddrive ) was that American Science and Surplus had some. I'd do a phone inquiry as most places don't list the small quantities.If required, I can check into this further. 73 Pete NV4V

At 07:52 PM 4/8/2002 -0400, Dave Benham wrote:

>About 3 years ago there was a thread either here or the TenTec reflector  
>about doing a group buy for backlight material for the Argonaut II (same  
>arrangement on the Delta II). I have not been able to find my entire  
>reference to that and it may be time for me to change the backlight material  
>on my Argo II. I believe the company that sold the material was Eltech in  
>Austin, TX and I haven't been able to find any solid information on that  
>company.

>

>Does anyone know where this backlight material can be obtained, or how to  
>contact Eltech? TenTec is out of the replacement part.

>

>Thanks.

>

>Dave K8TRF

-----  
Date: Tue, 9 Apr 2002 00:44:53 EDT

From: DYARNES@aol.com

To: qrp-1@lehigh.edu

Subject: [124239] Arkiecon--Another Great Time In Razorback Country

Message-ID: <169.bbfb8e5.29e3cbc5@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I'm back home safe and sound, but the trip to Ft. Smith was a winner! Jay (W5JAY) and Kelsey (K5PWR) and all the gang in Ft. Smith do a terrific job with this get-together. The only problem is, before you know it it's all over!

QRP was alive and well in FT. Smith this past weekend. The seminars were well attended, and very well presented. Doug, KI6DS, did the MC chores, but his job was especially easy this year because he had such an outstanding line-up of speakers---actually, these QRP forums seem to always attract a great batch of presenters--but you got way more than your money's worth again

this year. How does this sound--Rev. George Dobbs  
Roy Lewallen  
Graham Firth

That's five star stuff right there. George Dobbs and Roy Lewallen even gave double presentations (but different material), so there were actually 5 seminars and all absolutely outstanding. Any QRP'er who has "one stripe" or more on his sleeve probably has scads of great material in his (or her) library from these three gentlemen.

Doug also announced the latest NorCal project, a very slick little SWL receiver that fits very nicely in an Altoid tin. Graham Firth, G3MFJ, had a prototype there to show everyone. Actually, I got to play with it the night I arrived in Ft. Smith. It really works well, and has several neat features that will really appeal to the builders.

I didn't bring my QRP rig this year, but I didn't need to. I had the right room! Last year my room was on the 2nd floor, and the window opened up to the top of the canopy over the driveway in front. All I had to do was put Vern Wright's antenna out there (on one of his tripods or with the clamp arrangement) and I was in business in 2 minutes! Well, I made sure I had the same room this year, and when Vern saw the setup, his rig came to my room! Pretty darn smart huh!

Some may recall that I was very successful working european DX last year from that room (on 20 M.) with one of Vern's (W6MMA) MP-1's and an FT-817. Actually, the band was pretty decent last year, and I worked probably 25 or 30 europeans over the 3 days I was there. This year the band was kind of crappy, but that didn't keep me from working Europe. I only worked a few this year, but I had less time to devote to the process (more on that later). I got good reports though, and this year I was using one of the new motor driven ("briefcase screwdriver antennas" as Vern calls them) and the FT-817 that Vern brought. This antenna is too cool! I'll let Vern do the sales job on you, but it works and I bought one--fast!

Vern has still another new product about to hit the streets--a very portable 6 band (20 through 6 meters) 2 element beam. It is really a great piece of workmanship. Vern demo'd the setup of one, but I didn't get to try it. You know what? We probably could had used that in my room too! We could have set it up on the canopy, and it would have been pointed right at Europe I think.

Another very busy guy was the Te-Ne-Ke guru, Dennis Foster (KK5PY). He makes some of the niftiest paddles you'll ever see. He had a new model this year (but no supply of them to sell) which was in between his little "micro" sized paddle, and his "standard" (I guess) sized one. I did get to try one, and I really like it. I'm ordering one pronto. He has several other versions that are equally innovative.



The highlight for me was (and always is) getting to visit with so many of my good friends. Of course, Jay and his new bride Kathy were super hosts to a bunch of us that arrived early. Graham Firth and Tony Fishpool were there which is a huge treat for all of us. And they are coming to Tuthill too! Dr. Megacycle made it there too, and I always, always look forward to seeing him. The same goes for Vern Wright--besides being a good friend, he is fascinating to watch as he unrolls his bag of new tricks! You gotta love a guy who is desperately trying to get rid of a very successful dental practice because it's getting in the way of his innovation skills developing new ham radio gear! Add the Hendricks and Cates combo and you are a very long way down the road to a super weekend! They will be at Tuthill too!

How about this---the QRP group all had a free bar-b-que feed Saturday night, which was super good, but guess what else showed up on the table? Lobster tails and crab legs!!!! With drawn butter no less! I don't know any of our group who deserved to be treated that well (except those who were doing all the work), but we sure were! Incredible! There's just a lot of good people down there making everyone else feel at home.

Both last year and this year I did my travel arrangements on Priceline. Ft. Smith was a little hard to bargain over with the folks at Priceline, but both years I managed to get very good ticket prices to Tulsa, and I just drove over from there. It's only about 100 miles--a mere pittance to us desert rats! Well, last year my schedule was almost perfect, and I had a very leisurely schedule both going and coming. This year wasn't so hot, at least the going home part. My flight out of Tulsa Sunday was at 8:35 a.m. That meant I had to leave Ft Smith way before the chickens were up. On top of that, it was daylight savings time change day! So that cut my socializing down considerably on Saturday night (and my QRP DX operating time) because I had to go to bed much earlier than I usually do. I didn't get to say proper goodbyes to several of my good friends because of the crazy schedule, but I'll do that next time.

By the way, just before Vern packed up his gear from my room, he had a nice 20 meter conversation with Marty, OH2BH (who some of you will recognize). Vern was using the FT-817, his portable screwdriver, and we added the speech clipper that Graham Firth built and talked about in his presentation. I think everyone with an FT-817 will want one of those too! It's very impressive!

This is very long--too long I'm sure--so I will quit. I just hope that some of you who weren't there will be moved to show up next time, or at one of the many other great QRP gatherings we have around the country. Atlanticon was going on simultaneously with Arkiecon, so we didn't have our friend George Heron there, but he was doing great things back east and properly entertaining a bunch I'm sure. Paul Harden was there too (and Dave Benson?), so I know there was plenty of stuff going on. Folks, you just shouldn't pass

up these gatherings if you can possibly make one or more of them.

The next will be HamCom (Dallas) maybe? I'm not sure. Ft. Tuthill is the last week-end in July. Pacificon is in October. Get your calendars out. Make some plans!

To all who helped put on Arkiecon, please know how grateful I am.

Til next time!

72 de Dave W7AQK

-----  
Date: Mon, 08 Apr 2002 23:51:12 -0500  
From: "Brice D. Hornback" <bdh@cyberbound.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [124240] SWL RIT Kits Needed  
Message-ID: <00d701c1df82\$2cc783e0\$6501a8c0@lwrnce01.in.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I desperately need two RIT kits too for my two SW-30+ rigs (one's my dads). Please email me if you can part with one (or more).

73/72/71! de Brice KA8MAV  
QRPP International Radio Club  
<http://www.QRPP-I.com>

-----  
Date: Tue, 09 Apr 2002 00:53:00 -0400  
From: Mike Czuhajewski <wa8mcq@comcast.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Cc: wa8mcq@comcast.net  
Subject: [124241] Another Atlanticon report  
Message-ID: <000f01c1df82\$6d659180\$33333044@gambrl01.md.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I freely admit that I'm one of those people who prefers to be snooping around the tailgating area at the hamfest instead of sitting cooped up all day listening to speakers. I've been known to show my face early in the morning at these things to get the badges and books, then wander off to the

bargains for a while. (I hope George and crew forget about me saying this before the next Atlanticon comes along!) But at least I attend the evening sessions.

This time around I sat through most of the talks, and was I glad I did! I had to leave before the last couple of presenters but I caught most of them and enjoyed the heck out of it. My daughter had an early evening orchestra presentation at her high school and she's the concert mistress. You know how those things go--if the parents miss it, the kids are emotionally wrecked for life and become ax murderers :-)

I couldn't make it back for the Saturday evening session, but did make Friday night. My first 5 minutes was spent soldering together my Badger and figuring out that it was dead because I had the battery in backward, then the next 20 minutes trying in vain to get it into the menu mode. For the few who haven't heard about these, it's a little circuit board that mounts on the rear of the Atlanticon badge. At the press of a button it spits out your call in Morse on a tiny piezo speaker as well as on a high brightness LED. If you press and hold the button at just the right moment at the end of your call, it goes into menu mode. For the life of me I simply could NOT hit it at just the right moment and get into the mode.

When Paul Harden wandered over and said hello, I started whining about not being able to do it, and of course you know what happened--the very first time I pressed it with a witness there, especially someone I know, it made a fool of me and went right into menu mode! I wish I could say that every time after that it went instantly into menu mode on demand, thanks to the mystical NA5N influence, but nooooo--I still had about a 10% success rate all night!

My sense of timing was a bit better later on for the QLF contest, in which NU3N and I were the winning team. While it was going on I made a comment or two about Fred Bonavita being so proud, but almost no one caught on. Finally, N2CX or K7SZ made a public comment about Fred and explained it to everyone. Formerly known as W5QJM, Fred--a QRP'er for a very long time--picked up a vanity call a few years ago: K5QLF. And yes, that was chosen deliberately with full knowledge of what QLF means :-)

This was my first QLF contest, and it was a blast. To make things more interesting, each team had a distraction of some sort. Ours was that we had to do it standing up, which was no big deal to me. One of the worst, I think, was the poor team that had the inverted signal--put their foot on the key to shut it off, raise their foot to make a signal, instead of the other way around. And the best distraction by far was the irate XYL! They had a script written up and grabbed Jan, N0QT, to read it while one team was sending and receiving. "The grass is getting long and the neighbors are complaining! You said you were going to paint the house this weekend! Why didn't you fix that leaking faucet in the bathroom like you promised? When

are you going to..." Now THAT was a stroke of genius :-)

Paul Harden was outstanding as usual, along with everyone else. His talk and paper were on transmitter and filter design, and very well done. (I never knew that Chebyshev had connections to the steam locomotive!) The N2CX presentation on circuit simulation with Spice variants was enough to finally push me over the edge and start thinking seriously about giving it a try. Dave Gauding had a great talk about portable operation, although MC Rich Arland did put him on the spot during the introduction, noting that he'd been in the St Louis area and wanted to know how anyone could go QRP hiking since it was perfectly flat for miles around. (Rich is spoiled, living in mountainous PA.)

For me, the highlight was the Jim Kortge talk about matching crystals for filters. He made a good case for not simply matching crystals by popping them into an oscillator and writing down the frequencies. His method is along the lines of a W1FB article in QST somewhere around 1989 or 1990, using an RF signal to fully evaluate the crystals. Jim goes one better by using a nifty precision VXO circuit to generate a well controlled RF signal to test them, using one crystal from the batch in the oscillator. That potentially gives much better stability and precision frequency control than a signal generator.

He also had some good tips about allowing the crystals to stabilize at room temperature, then stabilize for a minute or so in the test fixture with signal applied, and handling them with tweezers to keep heat from the fingers from making them drift.

The precision VXO is already a new NJQRP kit, and due to popular demand it looks like the test fixture will probably become one as well. I made my own board for the DeMaw circuit from that old QST and populated it completely, all within 2 weeks of receiving the magazine, and there it still sits on the shelf, never used or even hooked up in a box. I think this one will be different!

Dave G also let me handle some of his antenna loading coils. He had an article in QRPP a while back, illustrated by NA5N, on making your own version of the old B&W Miniductor from some solid wire and something called edge grommeting from Panduit. I believe he credited Andy Becker, W0NVM, with the basic idea. Regardless of who came up with it, I think the idea is a stroke of pure genius :-). If I ever get my hands on some of the stuff and experiment with it, I'll write it up in my column in the QRP Quarterly.

BTW, I still owe Andy a big debt of gratitude for all of the old Boonton newsletters he let me copy with info on the 260A Q meter and Q measurements 10 or 12 years ago. It was a pleasant surprise to learn a few years later that he was a QRPer and member of the St Louis QRP Society.

Atlanticon admission, \$10

Lunch at the hotel, \$8 (and the apple was small, mushy, and had 2 holes in it!)

Admission to the second day of the hamfest, \$6

Having Atlanticon 30 miles from my driveway, priceless!

Having N2APB and the rest of the crew do this, regardless of location, equally priceless.

Atlanticon, Pacificon, Arkiecon, FDICon, who knows how many others--times have never been better for QRP :-)

-----  
Date: Tue, 09 Apr 2002 02:29:44 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: wb8rcr@arrl.net  
Cc: qrp-l@lehigh.edu  
Subject: [124242] Re: About the list (was: Stolen QRP gear)  
Message-ID: <5.0.2.1.0.20020409003634.00a73030@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill ,

You got that right!!!! Out of the blue sky Jim Kortge pops in a mail offering a dual gate MOSFET for my latest project...no price just generosity.I hope to repay him in some way'

New Years resolution here: Only positive or constructive posts to the list.. There seem to be a few MCPs strolling around, hopefully they will retire to a park bench and drool.all day :-) HI!

( Anyone who does not know what an MCP is is probably one)

I really enjoy the list and all the intelligent folks who contribute info.

I guess the bottom line is

the old saying.... "If you don't have something good to say".....you know the rest :-).

73 And Happy Springtime to all

Pete NV4V Ky where the Redbuds are blooming.

I better add some QRP stuff to keep the net police happy

: Wes W7ZO's Hartley oscillator is really stable ( p 37 "Solid State Design").

I let it run for 12 hours and it never moved a bit. Hand capacity is a factor as the tuning C is off ground so moved it to the back of the chassis with an insulated shaft. Bike flag supports are great for those insulated shafts...real close to the 1/4 inch couplings.

Rock es Roll :-)

At 07:58 PM 4/8/2002 -0400, you wrote:

>----- Original Message -----

>From: "Phinizy, William" <wphinizy@filenet.com>

>Subject: Re: Stolen QRP gear

>

>

> > ..What Chuck (ever the gracious gentleman)

>

>Chuck, I apologize, you're not going to like me singling you out like  
>this....

>

>Did you ever notice that there are a few folks, most obviously Chuck, but  
>some others come to mind ... Paul Harden, Jim Kortge, Dave Benson, Dave  
>Fifield, I'm sure I'm forgetting some. But there are a few folks on the  
>list that everyone has tremendous respect for.

>

>Did you ever notice what sets these gentlemen apart? (and I use the term  
>gentlemen in the fullest sense of the word).

>

>Sure they know a thing or two, but they also never say uncharitable things  
>about their fellow hams. The topic is always relevant to the hobby. Maybe  
>not always technical, but always on topic, and never unkind.

>

>When your fellow QRP-Lers think of you, do you want to be thought of as  
>someone who cares about the hobby and about their partners in QRPdom? Or  
>would you rather be thought of as someone who is quick to criticize, anxious  
>only to one-up the other list members? Someone who is ill-tempered and  
>self-impressed.

>

>Next time someone gets you all riled up, before you hit the send button, ask  
>yourself ... Is this better left unsaid? Would Chuck say that?

>

>72/73 de WB8RCR <http://www.qsl.net/wb8rcr>

>didileydadidah QRP-L #1446 Code Warriors #35

-----

Date: Tue, 09 Apr 2002 03:20:22 -0400

From: Tom Feeny <tfeeny@comcast.net>

To: \*QRP-L <qrp-l@Lehigh.EDU>

Subject: [124243] antenna course

Message-ID: <000501c1df97\$07512a20\$24553e44@waldlk01.mi.comcast.net>

MIME-version: 1.0

Content-type: text/plain; charset=Windows-1252

Content-transfer-encoding: 7BIT

Any listfolk sign up for the ARRL  
antenna modeling course (Cebik)?  
Tom, W8K0X

-----  
Date: Tue, 9 Apr 2002 00:39:21 -0700  
From: "Dave Fifield" <dave@redhotradio.com>  
To: <DYARNES@aol.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124244] Re: Arkiecon--Another Great Time In Razorback Country  
Message-ID: <004801c1df99\$a9c53ab0\$0200a8c0@AD6A>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Nice report Dave - I'm sure I speak for many when I say that  
we really appreciated it - thanks for making us feel like we  
were there too!

Cheers es 72,  
Dave F.  
AD6A

----- Original Message -----  
From: <DYARNES@aol.com>  
Subject: Arkiecon--Another Great Time In Razorback Country

> I'm back home safe and sound, but the trip to Ft. Smith was a winner!  
(snip)

-----  
Date: Tue, 9 Apr 2002 00:54:03 -0700  
From: "Dave Fifield" <dave@redhotradio.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124245] Re: Another Atlanticon report  
Message-ID: <008e01c1df9b\$b822ae10\$0200a8c0@AD6A>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Same goes for you too Mike, and all the other reporters!

THANKS!! for filling us in and making us feel included!

Cheers es 72,  
Dave F.  
AD6A

-----  
Date: Tue, 09 Apr 2002 04:21:31 -0500  
From: Gary Lee <kb9zuv@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [124246] freqmites wanted  
Message-ID: <3.0.6.32.20020409042131.007cc100@mailhost.ind.ameritech.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I learned with much disappointment of the retirement of the freqmite last week. However, I still have a need for two of these. Does anyone out there in qrp land have a couple they could bare to part with? I want to equip my two emtechs and ohr explorer with these. I have one, but found they no longer exist when I tried to order the other two.

Thank you for your consideration.

Gary Lee  
kb9zuv

-----  
Date: Tue, 9 Apr 2002 10:50:32 -0000  
From: "WI8W" <wi8w@arrl.net>  
To: <tfeeny@comcast.net>  
Cc: <qrp-l@lehigh.edu>  
Subject: [124247] Re: antenna course  
Message-ID: <06ba01c1dfb4\$5f3c9e00\$6501a8c0@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Yep, and then discovered that I would not have time to complete it because of work. Oh well, I will print it al out and make a CD of all the files and save it for that time when I will never get to it.



73

Thom WI8W

----- Original Message -----

From: "Tom Feeny" <tfeeny@comcast.net>  
To: "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>  
Sent: Tuesday, April 09, 2002 7:20 AM  
Subject: antenna course

>  
> Any listfolk sign up for the ARRL  
> antenna modeling course (Cebik)?  
> Tom, W8K0X  
>

-----  
Date: Tue, 9 Apr 2002 06:18:42 -0500  
From: "Joe Spencer" <kk5na@quadj.com>  
To: <lojack@cox.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [124248] Re: current email for KK5PY, Dennis Foster?  
Message-ID: <111801c1dfb8\$4f09bfa0\$6601a8c0@joes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Dennis' current email is kk5py@neok.com

Joe KK5NA

----- Original Message -----

From: "Scott D. Foster" <lojack@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, April 08, 2002 21:42  
Subject: current email for KK5PY, Dennis Foster?

> Does anybody have Dennis's current email address? I need to get ahold of  
> him. Thanks!  
>

> Scott  
> K5PBJ  
>

-----  
Date: Tue, 9 Apr 2002 07:27:28 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <roy537@prodigy.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [124249] Re: Stolen QRP gear  
Message-ID: <008d01c1dfb9\$b3487aa0\$0600a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I can't stress this enough too. Yeah, it may make you look a little bit foolish, but there's a saying... "95 percent of the crime is performed by 5 percent of the population" Accurate or not, no one denies that a small 'element' does a lot of the deeds. That 'element' has a mindset that leads them to do these acts, and a lot of time the 'acts' are an act of convenience. We assist that in doing our 'stupid stunts'. Leaving keys in the car, tempting items in view, that kind of thing.

But the bottom line is who knows what tip might lead to one of these 'elements' being taken off the street. Sure, it matters if you do or don't get your equipment back, but isn't what society really after is the ability to identify and punish this individual? Take him out of the game and put him in the penalty box? Your complaint may help. Even if not directly, it can skew a statistic and cause that extra officer to patrol your area instead for a few nights. It may cause someone who's already patrolling your area to look for a slightly different activity. Bottom line, you don't know how it can help, but it may. And if it succeeds, you'll get that 5% individual out of work for a while. And that means the other 95% is also 'toned down' while he's off the street.

REPORT ALL CRIME!

Mike

----- Original Message -----  
From: "DIANNE M WISE" <roy537@prodigy.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, April 08, 2002 9:38 PM

Subject: Re: Stolen QRP gear

> The first day that I attended the police academy they told me "the  
solving  
> of one crime often leads to the solving of additional crimes....." That  
was  
> a long time ago, I'm retired from the department now, but it is still  
true.  
> I urge you to report all crimes, no matter how small. Sure, you may get  
a  
> young know-it-all smart mouth officer to take your report, or an old  
> case-hardened cynical sergeant who really does think you are a dummy.  
You  
> also however take the chance that the property is already recovered and  
the  
> police are searching for a complaintant  
> to file charges against someone that they know is a repeat offender. Be  
> sure you file the report in the jurisdiction where the theft actually  
took  
> place.  
> Roy KE0UQ/8  
>  
>  
> ----- Original Message -----  
> Subject: Re: Stolen QRP gear  
>  
>  
> > I don't have much hope...the stuff wasn't worth much in dollars...I  
> wouldn't  
> > be surprised if the jerks just toss it out. I might make a report  
with  
> the  
> > P.D., but they would just say don't leave stuff in the back of your  
pickup  
>  
>  
>

-----  
Date: Tue, 9 Apr 2002 04:46:28 -0700 (PDT)  
From: Jim Cluett <w1pid@yahoo.com>  
To: qrp-l@lehigh.edu  
Cc: w1pid@arrl.net  
Subject: [124250] Marine Mobile 2 Watts Kayak  
Message-ID: <20020409114628.22946.qmail@web11602.mail.yahoo.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I tried posting this last night, but I don't think it ever got to the list. Appologies if this is a repeat.

Well gang - I'm getting ready for QRP to the field. I tested out my marine mobile kayak setup.

Cawley Pond in Sanbornton, NH was mostly covered with ice, but I found a little cove to launch the ship.

The following picture was taken just before working Dan, KN9X in Illinois. I'm running the MFJ Cub at 2 watts

with an Outbacker Joey... dragging the counterpoise in the water. (Snagged a few logs and nearly pulled things overboard.)

For a photo check out:  
<http://www.qsl.net/w1pid>

-----  
Do You Yahoo!?  
Yahoo! Tax Center - online filing with TurboTax  
<http://taxes.yahoo.com/>

-----  
Date: Tue, 09 Apr 2002 06:51:41 -0500  
From: "Brice D. Hornback" <bdh@cyberbound.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [124251] New Dummy Load Kits - WOW!  
Message-ID: <004e01c1dfbc\$ea10cda0\$6501a8c0@lwrnce01.in.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Hello everyone. I just finished a page with photos of the 60-watt Dummy Load kit. Now... you may be thinking why would you ever need a 60-watt dummy load? Well, actually... it'll handle considerably more than that... but it's still small and will work perfectly with your QRP or QRPP rigs. I just finished building one by placing the resistors between two 1-1/2"

square pieces of single-sided copper clad (PCB) material. I plan on mounting it inside a small pint-size paint can filled with mineral oil. You could also build it flat and it'll fit in an Altoids tin. :-)

Anyway... take a look at the photos. You get twenty (20) 3-watt 1K ohm metal-oxide resistors, a female chassis mount BNC connector, and an assembly manual for only \$12 plus shipping. You can't beat that!

Everyone needs a good dummy load. Build several and keep one in the car too. They also make excellent presents. If you belong to a local club... it'd make a great club project. Don't forget to send in photos of the completed dummy loads. I know you're creative! Let's see what you can do.

Also, I still haven't finished the page yet for the 4-watt dummy load. I hope to have photos of it on the site soon. It's only \$5 plus shipping. Talk about tiny! You could fit one into every QRP rig you own... add a switch... and always have a good dummy when you need one.

So... take a look at the "Kits & Parts" page for details on the new kits. Place an order today. I got a good deal on some great resistors and have a limited supply. When they are gone... they are gone.

Have fun!

73/72/71! de Brice KA8MAV  
QRPP International Radio Club  
<http://www.QRPP-I.com>

-----  
Date: Tue, 09 Apr 2002 08:18:20 -0400  
From: Jake Brodsky <frussle@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [124252] Re: Electrically Short Antenna with MUCH Better Efficiency  
Message-ID: <rq15bu42ovq9q4pjnc1l21ihh3kh8hqv5c@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

I've built the K0BRA active antenna (as closely as possible to the article itself) and I like it. =20

One thing about very short receiving verticals: you MUST maintain isolation between the antenna system and the receiver or your short antenna will not really be as short as you think it is. The extra

coupling will probably be with things you'd rather not listen to, such as the noisy electrical system of your house, or perhaps even a DSL line or two. The power supply in his article is nearly as critical as the active antenna itself.

This is one major advantage to very short active antennas: if properly designed, they can be decoupled from most noise sources in the house. Another note is that they can be located above your house, with a null toward the house and everything below it. This is a good thing. =20

As for performance, I like the K0BRA's antenna preamp a lot. I managed to purchase a CP666 JFET, and build it with that. However, if you don't want to mess with the heat sink from hell and are willing to deal with a somewhat poorer IMD, a U310 can be used instead (and by the way, you'll also be able to power it from 12 volts...)

73,

Jake Brodsky, AB3A <mailto:frussle@erols.com>  
"Beware of the massive impossible!"

-----  
Date: Tue, 9 Apr 2002 08:26:56 -0400  
From: "Kwik, Ed " <ed.kwik@delphiauto.com>  
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>  
Subject: [124253] MI QRP net tonight  
Message-ID:  
<9F176F70FD71AC48AFC36F879D2B84E38F3679@tryexch01.NorthAmerica.DelphiAuto.net>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Tonight is another session of the Michigan QRP net. The net meets every =  
Tuesday night at 9:00 PM Eastern time on 3.535 MHz. We had 11 check ins =  
last week:

|        | S   | R       |              |    |        |
|--------|-----|---------|--------------|----|--------|
| K8DD/5 | 229 | 499     | LAUREL       | MS | HANK   |
| W8KC   | 599 | 579     | OAKLAND TWP  | MI | PAUL   |
| N8KBG  | 599 | 599     | BRIDGMAN     | MI | RON    |
| W8EGI  |     | 569 599 | EAST LANSING | MI | DON    |
| K8MEG  |     | 559 359 | GRAND BLANC  | MI | RICH   |
| N8CQA  |     | 589     | ROYAL OAK    | MI | BUCK   |
| W8IQB  |     | 599 599 | BRISTOL      | MI | LOWELL |
| WB8UUJ | 339 | 469     | FLUSHING     | MI | TOM    |

K1YPP        549 579   HAMPSTEAD   NH   DENNIS  
WA8BXN 589        599   CLEVELAND     OH     MIKE  
AA1MY        559 599   BETHEL         ME     SEAB

For all of you that are into this short antenna discussion take a look =  
at the first entry. Hank was able to check into the net from the =  
parking lot of the Econo Lodge in Laurel, MS. He was using an IC706 and =  
a Hustler on the back of his pick up. How's that for a short antenna on =  
80 meters. That's about 950 miles with 5 watts. WOW.

Ed AB8DF Waterford, MI

-----  
Date: Tue, 9 Apr 2002 06:29:52 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <dwitttlic@APCI.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [124254] Re: WTB STEpper motor  
Message-ID: <001c01c1dfc2\$48da4c80\$14dd070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Please accept our condolences on the passing of the Queen Mum. It was always  
a great pleasure to see her on the television when we lived in Edinburgh for  
3 years in the early 1960's. She was a really gracesious lady.

----- Original Message ----- Cal KF7ET and Colene N7RGQ  
From: "Don" <dwitttlic@APCI.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, April 08, 2002 9:40 PM  
Subject: Re: WTB STEpper motor

> Jim,  
> I used a couple of 24 Volt Ledex rotary solenoids  
> in a project and caution you that unless they are  
> isolation mounted in rubber, their operation will  
> sound like a mule kicking down a tin barn. even  
> with isolation mounts, the wiring of the wafers  
> will tend to transmit vibration to the rest of the  
> chassis.  
>  
> Assuming the stepping selector switch function  
> will be changing the configuration of the tuner,  
> (L to PI to other L to Tee, perhaps), you might

> consider doing the same switching job using some  
> heavy duty single pole reed relays. Because you  
> have the ability to energize only the reeds that  
> you need, you may find that numerous  
> configurations can be selected by using just a few  
> reeds plus a complex cheap matrix of diodes to  
> select the desired combination of switching.  
> Considering that this is a large project that you  
> will want to use for a long time, reeds will give  
> you the flexibility for future enhancements that  
> would be hard to achieve with swapping switch  
> wafers. Another reed advantage is that they can  
> be physically placed more directly where needed  
> rather than routing all of the switchable points  
> back to a central switch. I believe commercially  
> made tuners use reeds for switching inductance and  
> capacitance, so why not in substitution for the  
> Ledex switch?  
>  
> Sounds like a nice project.  
>  
> --Don  
>  
> n2go@arrl.net wrote:  
> >  
> > I need parts for a tuner project.  
> >  
> > Stepper motor, unipolar (6/8 wire), NEMA 23, dual shaft , 1.0A max  
> >  
> > such as Superior Electric Slo-syn M061-FD-6102 - 11.2V/.44A dual shaft  
> > or m)61-LS02E - 5V/1A/ dual shaft  
> >  
> > Also need rotary solenoid 12 steps/rev 24vdc/3.11A Ledex series 50-L  
> >  
> > Seems far out but I bet that someone on this list has a box full of these  
> > things :))  
> >  
> > 73,  
> >  
> > Jim n2go  
>

-----  
Date: Tue, 09 Apr 2002 09:10:41 -0400  
From: Charlie Fitts <cfitts@snet.net>  
To: qrp-1@Lehigh.EDU



Subject: [124255] Re: Dual gate FET's  
Message-ID: <5.0.2.1.1.20020409090722.00a1c130@pop.snet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I wonder, has anyone ever tried putting a couple of 2N7000's in parallel? Tie the sources and drains together, leaving two gate connections. I have no idea if this would work in circuits calling for the 40673 but if somebody else doesn't try this first, I'll get around to trying it one of these days.

Charlie Fitts, N1EI

-----  
Date: Tue, 9 Apr 2002 08:14:16 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [124256] Scientific American Article  
Message-ID: <001d01c1dfc8\$8da15ba0\$498acccf@bbbcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think QRP-L is an indication that "D. I. Y. is D. O. A." is not true as reported in the May issue of Scientific American on page 26. You should read the article.

I do have one question, is QRP-L continuing to grow?

Thanks,

Jim, WD9EYB

-----  
Date: Tue, 9 Apr 2002 09:36:33 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <j.p.osburn@ieee.org>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [124257] Re: Scientific American Article  
Message-ID: <058901c1dfcb\$9213a280\$0600a8c0@charter.net>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I do have one question, is QRP-L continuing to grow?  
>  
> Jim, WD9EYB

That can be a tough one to figure out, as who really knows what's active, what's not, and what's just fluff. List numbers continue to go up though, and posting activity goes up and down.

As to QRP though, I think it's on the rise. At least for SSB. When I got my K2 it was rare to find other QRP stations on SSB. Breaking in to a net or roundtable was always exciting as people were "you're QRP??" kind of thing. Now it's ebbed a lot, getting at most "let the QRP station go" kind of thing, with very little, or at most casual, mention of QRP status the rest of the contact.

I've worked a few other K2 owners on the air, but I've worked far more 817 owners. And since neither of these rigs existed 5 years ago, it's all on the rise! By the way, I've not worked ANY other QRP rigs besides K2s or 817s. That's not to say they aren't out there, just that I haven't run into any.

Oh, and in the roundtables, I HAVE met a LOT of people 'turning down' to see what they can do. A lot of guys will 'dial back' to 50W and even stay there. But only the brave will dial back to 20W or less. There's still too much of the CB mentality out there. 'More Power!' That's not to say power doesn't have it's place. But only when it's needed.

Mike

-----  
Date: Tue, 09 Apr 2002 10:12:51 -0400  
From: "Mark J. Dulcey" <mark@buttery.org>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [124258] Re: Scientific American Article  
Message-ID: <3CB2F6E3.1070000@buttery.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Mike Yetzko wrote:

>  
> I've worked a few other K2 owners on the air, but I've worked far more  
> 817 owners. And since neither of these rigs existed 5 years ago, it's  
> all on the rise! By the way, I've not worked ANY other QRP rigs  
> besides K2s or 817s. That's not to say they aren't out there, just that  
> I haven't run into any.

The majority of the other QRP rigs are CW-only, so you're not going to run into them if you're up in the voice part of the band. Exceptions include the White Mountain series from Small Wonder Labs, the MFJ travel radios, the Ten-Tec Argonauts, and the SGC-2020 (at 20 watts, not strictly QRP, but lots of people use them at QRP power levels). I'm surprised you haven't heard any of those rigs. The Ten-Tec 516 will be another radio to add to the list, if they ever ship it.

It's not surprising that you've run into so many more 817s than K2s up there on voice. More of them have been sold than K2s (I heard a figure of 8000 817s sold in the US, and that was a while ago; the K2 just passed \$2500), and I suspect a larger percentage are used for SSB. For one thing, the 817 is a lousy CW rig out of the box, and merely OK when equipped with the optional CW filter, whereas the K2 is just about as good as it gets. Conversely, the K2 can't even do SSB at all without the SSB option.

-----  
Date: Tue, 09 Apr 2002 10:23:35 -0400  
From: "Mark J. Dulcey" <mark@buttery.org>  
To: cfitts@snet.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [124259] Re: Dual gate FET's  
Message-ID: <3CB2F967.7010504@buttery.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Charlie Fitts wrote:

> I wonder, has anyone ever tried putting a couple of 2N7000's in  
> parallel? Tie the sources and drains together, leaving two gate  
> connections. I have no idea if this would work in circuits calling for  
> the 40673 but if somebody else doesn't try this first, I'll get around  
> to trying it one of these days.

I don't think that will work without circuit modification. The catch is that the old dual-gate MOSFETs were depletion-mode devices (they're turned on with no signal on the gate), whereas modern power MOSFETs (a class that includes the 2N7000, though it's a low-power device) are enhancement-mode (they're turned off unless you supply a signal). Changing the bias levels on the gates might be enough to do the trick, though.

-----  
Date: Tue, 9 Apr 2002 07:30:44 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: "qrp list" <qrp-l@lehigh.edu>  
Subject: [124260] Stinger Singer Frequency Counter  
Message-ID: <006001c1dfd3\$22b40080\$93127d3f@nk7m>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just checked the inventory, and the AZ ScQRPions have only 26 of the kits left. If you're not familiar with it, you can get details at <http://www.extremezone.com/~nk7m/cwaafc.htm>.

The price of the basic kit is \$20.00, and you can get a 'stinger singer +', which includes the slow speed chip, for \$23.50.

We don't plan to do another run, but, with the FreqMite no longer being offered, might consider it if there is enough interest.

Bob NK7M

-----  
Date: Tue, 09 Apr 2002 10:48:46 -0400  
From: Tom Feeny <tfeeny@comcast.net>  
To: \*QRP-L <qrp-l@Lehigh.EDU>  
Subject: [124261] re: antenna course  
Message-ID: <005001c1dfd5\$abbcf4c0\$24553e44@waldlk01.mi.comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

The course is described here:

<http://www.arrl.org/news/stories/2002/02/06/2/>

They say it runs from Feb. thru May but another is just starting and runs April 15th thru July 8th. Course is \$80 but you need to have a modeling program - which is what I was wondering about. They mention two. Which is better? EZNEC or Nittany. Anyone have any experience with these two programs? Also, on the Nittany website they have a book on antenna modeling by Cebik. I wonder if it parallels the course or contains different material.

Tom, W8K0X

-----  
Date: Tue, 09 Apr 2002 10:55:25 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [124262] More on dual gate MOSFETS  
Message-ID: <5.0.2.1.0.20020409102437.00aa1460@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks for the info gang.  
I checked Dan's Small Parts and he seems to have some 40673s and 40822s so ordered some  
I might have to resume selling my lush, ripe , tender young body on the streets to pay  
for them. :-) :-)  
The handbook Grid Dip Oscillator looks like fun and useful. Got the PC board yesterday from Far Circuits. Those folks do a great job!  
You can get a copy of the article from them for \$1.50 or it is in some of the "80s  
ARRL handbooks. (Like Bruce says...."you do have a handbook ....etc"? :-)  
73 and rock and roll gang

-----  
Date: Tue, 09 Apr 2002 10:19:54 -0500  
From: Pat Cain <pcain@ix.netcom.com>  
To: qrp-l@Lehigh.EDU

Subject: [124263] re: antenna course  
Message-ID: <4.2.0.58.20020409101946.00ce7970@mail.mchsi.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

Tom,  
I am taking the Antenna Modelling Course now. It started in March and runs=  
=20  
through June. I recommend it highly. Both EZNEC and NEC-Win Plus are very=  
good. It seems most of the people in this class are using EZNEC. That may=  
be a result in the difference in price (\$90 for EZNEC vs. \$150 for NEC-Win=  
=20  
Plus). I've had EZNEC for several years and am very satisfied with it.

Both offer a demo version so you can try them out yourself before you buy.

73,  
Pat K=D8PC

At 10:48 AM 4/9/02 -0400, Tom Feeny wrote:

>The course is described here:  
>  
><http://www.arrl.org/news/stories/2002/02/06/2/>  
>  
>They say it runs from Feb. thru May but another  
>is just starting and runs April 15th thru July 8th.  
>Course is \$80 but you need to have a modeling  
>program - which is what I was wondering about.  
>They mention two. Which is better? EZNEC  
>or Nittany. Anyone have any experience with  
>these two programs? Also, on the Nittany  
>website they have a book on antenna modeling  
>by Cebik. I wonder if it parallels the course or  
>contains different material.  
>  
>Tom, W8K0X

-----  
Date: Tue, 09 Apr 2002 15:39:43  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [124264] Noise Bridge  
Message-ID: <F268VrRQvXlaoY99EXx000147f1@hotmail.com>  
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

After much messing around I finally got a noise bridge built (but still not calibrated). I used the circuit from W1FB (Dec. 1987 QST, pp. 32-35) but employed a binocular ferrite as recommended by KI6WX (Aug. 1989 QST, pp. 27-32+). The ferrite core was scrounged from a UHF tuner from a junked B&W TV set. I had no idea whether it would be suitable for the job but it was the only binocular ferrite that I had on hand. Grebenkemper (KI6WX) claims that these are better for reducing frequency dependent non-idealities in noise bridges. I built my bridge using a steel enclosure (originally a relay box). The variable capacitor was screwed down onto a 1/8" aluminum plate which was solidly mounted to the enclosure. The potentiometer was mounted on a phenolic plate affixed to the aluminum plate on phenolic standoffs. Both the variable capacitor and the potentiometer had phenolic insulating shaft affixed which passed through panel bearings to the top of the enclosure. I prepared my own layout pattern (available to anyone who wants it and who uses Eagle from Cadsoft) and mounted the circuit board also on the aluminum plate attached via a right angle bracket. Connections between the variable capacitor, the board and the potentiometer were through pieces of heavy copper foil as short and direct as possible. A very short run of RG-174 connected the receiver port to the board and a silver mica 150 pF cap made the connection from board to unknown port. Ports were female BNC connectors.

OK, so last night I did rudimentary tests as suggested by Grebenkemper by checking the settings across the entire MF/HF range. He used fixed resistors of 50 and 180 ohms to do this. Using only a 50 ohm network terminator I observed no difference in the reactance or resistance settings across the entire range. So it looks like none of his tweaks will be necessary for this bridge.

Now to the question.

Grebenkemper used a length of coax to calibrate the reactance scale on his bridge. He specified Radio Shack (R) RG-8M cable for this purpose but provided equations which appear more universal. Has anyone here used this procedure and, if so, did you use whatever cable you had on hand or as specified? I can't see what is special about the Radio Shack RG-8M as long as one knows accurately the characteristic impedance of an alternative (except that one will need to crunch numbers and prepare a new table of reactance versus frequency).

Thoughts?

Brad KG6IOE

P.S. Getting those shaft holes lined up is a real trick when you are doing all machining by hand. Also, I eventually splurged on a new Clarostat 350 ohm potentiometer because I couldn't find 1) a 250 ohm unit and 2) a surplus

one that wasn't "scratchy".

---

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

---

Date: Tue, 09 Apr 2002 16:21:01  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [124265] Re: More on dual gate MOSFETS  
Message-ID: <F263aRjXH1t07WUHbSs0000d14a@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Pete Burbank (plburbank@kih.net) sez:  
>I checked Dan's Small Parts and he  
>seems to have some 40673s and 40822s so ordered some ....

Talking about DG MOSFETs, anyone know a source for small quantities of BF998? Anyone have a few for sale or trade?

Brad KG6IOE

---

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

---

Date: Tue, 9 Apr 2002 11:48:59 -0500  
From: "jerry brown" <jmbrown@edge.net>  
To: <qrp-1@Lehigh.edu>  
Subject: [124266] new "TIN" from AOL  
Message-ID: <000801c1dfe6\$72ed21e0\$b45115d0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys,

Just got a promo from AOL, a CD "AOL 7.0"-



the CD was mailed in a "TIN" measuring  
just under 1/2 inch by 5 inches by 5 1/2 inches...

a morphed Altoids tin without a hinged lid.

SMT freaks, be on the lookout!

72,

Jerry N4EO  
Columbia, TN

-----  
Date: Tue, 09 Apr 2002 17:16:03 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: alihernlem@hotmail.com, qrp-1@Lehigh.EDU  
Subject: [124267] Re: More on dual gate MOSFETS  
Message-ID: <F80Iq1eE3VsX7PVTdAM00000e25@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Brad Hernlem" <alihernlem@hotmail.com>  
>Reply-To: alihernlem@hotmail.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: More on dual gate MOSFETS  
>Date: Tue, 09 Apr 2002 16:21:01  
>  
>Pete Burbank (plburbank@kih.net) sez:  
>>I checked Dan's Small Parts and he  
>>seems to have some 40673s and 40822s so ordered some ....  
>  
>Talking about DG MOSFETs, anyone know a source for small quantities of  
>BF998? Anyone have a few for sale or trade?

Farnell has them in stock.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>  
  
-----

Date: Tue, 09 Apr 2002 17:21:53 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: tedkell@ev1.net, qrp-1@Lehigh.EDU  
Subject: [124268] Re: Whatizit?  
Message-ID: <F50pXX50yki4jsGvs0Q000007b1@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: Ted Kell <tedkell@ev1.net>  
>Reply-To: tedkell@ev1.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Whatizit?  
>Date: Mon, 08 Apr 2002 22:05:19 -0500  
>  
>I went to the Ft Smith Hamfest this past weekend and had a lot of fun. I  
>would like to thank Jay, and the Ft Smith QRP  
>group for puttin on such an outstanding QRP event..  
>While there in the flea market, I found a something. I am hoping that  
>someone can help me figure out what it is. It has  
>a label, both inside and out that says "March 1980 Ham Radio" It has five  
>volt power supply inside using an LM309K.  
>There is a circuit board that looks commercially etched that has two 555  
>chips, It has four 50 ohm trim pots. The pots  
>are connected to a 6 pole, 2 position rotary switch ( I hope I got that  
>right, there are two switches, each with the center  
>

[deleted]

Sounds like a capacitance meter. They often use a couple of 555s, and the  
switch legend bears it out.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

-----  
Date: Tue, 9 Apr 2002 11:48:30 -0600  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
"cqc-1" <CQCLIST@yahoo.com>,  
Subject: [124269] More info Re: Modifying an MFJ 1700B Antenna Switch  
Message-ID: <001101c1dfee\$c5243720\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

#### Additional Info

I made one more test of my modified 1700B switch. This time I terminated the balun with a 220 ohm resistor, and measured the input impedance with my MFJ 259 antenna analyzer.

For the reference setup:

MFJ 259-< <---> > 4:1 Balun < 220 ohm resistor

<---> = ~2ft of RG-8X coax

The balun is a homebrew device 14 turns on a FT114-43

The input impedance measured 50 ohms +/- 4 ohms, from 4Mhz - 54MHz. The SWR measured < 1.2:1 for the entire range.

Then I put my modified switch in circuit:

MFJ 259-< <---> >1700B< <---> > 4:1 Balun < 220 ohm resistor

<---> = ~2ft of RG-8X coax

The balun is a homebrew device 14 turns on a FT114-43

As I tuned the analyzer from 4-54MHz I noticed the SWR rise and fall peaking as high as 2.0:1, and the impedance exceeded 80

ohms. For the amateur bands I work one here are the results:

| Band | SWR    | Impedance |
|------|--------|-----------|
| 40m  | ~1.1:1 | 55 ohms   |
| 30m  | ~1.2:1 | 60 ohms   |
| 20m  | ~1.3:1 | 60 ohms   |
| 17m  | ~1.5:1 | 70 ohms   |
| 15m  | ~1.5:1 | 80 ohms   |
| 12m  | ~1.5:1 | 80 ohms   |
| 10m  | ~1.7:1 | 80 ohms   |

## CONCLUSION

If you are using an unmodified 1700B you may want to make similar measurements. This is especially true if you are using resonant antennas, and have added a 1700B to your station setup. My tests show this switch will change the load into which your transmitter will work. True you can "tune it out" with an antenna tuner but with each additional "component" added to your transmission system, a certain amount of loss is incurred. So, for the most efficient system you will want to use as few "components" as possible, and have each component working as efficiently as possible.

73, Rod N0RC  
Ft Collins, CO

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, April 08, 2002 6:37 PM  
Subject: Modifing an MFJ 1700B Antenna Switch

> After reading Sam's (AE4GX) article about the 1700B:  
> <http://www.qsl.net/ae4gx/MFJCoaxswmod.html> (introduced in a QRP-L  
> posting 04-Apr-2002) I got to wondering about 1700B. I always  
> felt it had an effect on my antenna tuning. So, I did some  
> science. First, as a reference I used this setup:  
...

-----  
Date: Tue, 09 Apr 2002 13:20:09 -0500  
From: David Heintzleman <pstrdave@kdsi.net>  
To: qrp-l@Lehigh.EDU  
Subject: [124270] OT: rig prices

Message-ID: <3CB330D9.945DB085@kdsi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

not long back, someone posted a site where you could see what various  
rigs have sold for - I want to check on going value of a rig before  
offering to sell it-  
thanks  
Dave K8BBM

-----  
Date: Tue, 9 Apr 2002 13:24:30 -0400  
From: "John McKown" <jmckown@access.k12.wv.us>  
To: <qrp-1@Lehigh.EDU>  
Subject: [124271] Ramsey QRP Kits  
Message-ID: <NDBBJCCMOLJCBEMELCHMIEAFCAAA.jmckown@access.k12.wv.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anybody have any information about Ramsey's 30M qrp kits?

Thanks,

John McKown  
KB8ZPZ

-----  
Date: Tue, 9 Apr 2002 13:48:49 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: David Heintzleman <pstrdave@kdsi.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [124272] Re: OT: rig prices  
Message-ID: <Pine.GS0.3.96.1020409134732.21597A-1000000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Dave -

The site is <http://www.aade.com/> Scroll down to near the bottom  
of the home page. BTW, this is a very interesting and useful site.

72,

Rich, WB9LPU

On Tue, 9 Apr 2002, David Heintzleman wrote:

> not long back, someone posted a site where you could see what various  
> rigs have sold for - I want to check on going value of a rig before  
> offering to sell it-  
> thanks  
> Dave K8BBM  
>  
>  
>

-----  
Date: Tue, 9 Apr 2002 14:06:09 -0500  
From: "Rob Matherly" <kc0bom@arrl.net>  
To: <traffic-handling@mailman.qth.net>, <swl@mailman.qth.net>,  
      <sstv-atv@mailman.qth.net>, "SOC List" <soc@mailman.qth.net>,  
Subject: [124273] New call, new e-mail addy (in a few hours)  
Message-ID: <006d01c1dff9\$b9382600\$c211a541@intern01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi All;

Excuse the mass mailing, but figured I'd let anyone that might have me in their address book know that my call is now W0JRM, and my @arrl.net address will be changing in a few hours to reflect that. Probably won't happen until tomorrow, so keep sending to kc0bom@arrl.net until the messages start to bounce :^)

72/73/oo  
Rob, W0JRM  
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

-----  
Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net  
Y! - kc0bom --- ICQ - 114690148

-----

Date: Tue, 9 Apr 2002 15:09:23 -0400  
From: "John Dorson" <jdorson@Worldshare.net>  
To: <jdorson@Worldshare.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [124274] Re: SG-2020 reduced  
Message-ID: <001901c1dffa\$1355e960\$24649c40@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The rig has been spoken for. Thanks to all who responded.

John K2JHU..

----- Original Message -----

From: "John Dorson" <jdorson@Worldshare.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, April 06, 2002 10:44 AM  
Subject: FS: SG-2020 reduced

> SG-2020 QRP transceiver. All bands operation 160 through 10, general  
> coverage receiver from 1.8 Mhz to 29.7 Mhz, 20 memories, selectable  
digital  
> filters, full break-in operation in CW, iambic 'B' keyer adjustable from 5  
> to 60 wpm, frequency scan, memory scan with adjustable dwell time, DC volt  
> meter. ADSP and software upgrade installed 07/01. In excellent condition.  
> Includes mic, DC cable with extra connector, manual and original box  
>  
> Reason for selling: Want to buy a KNWD TS-50S.  
>  
> Asking \$525.00 plus shipping.  
>  
> Thanks for reading. John K2JHU. jdorson@worldshare.net  
>  
> John K2JHU...  
> jdorson@worldshare.net  
>  
>  
>

-----  
Date: Tue, 9 Apr 2002 15:51:39 -0400  
From: "John Dorson" <jdorson@Worldshare.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [124275] WANTED  
Message-ID: <000901c1dfff\$fb25d660\$24649c40@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

ANYONE OUT THERE WHO HAS OR KNOWS SOMEONE WHO HAS A KENWOOD TS-50S FOR SALE.  
THANKS.  
John K2JHU...  
jdorson@worldshare.net

-----  
Date: Tue, 09 Apr 2002 16:15:39 -0400  
From: K9nk@aol.com  
To: qrp-1@lehigh.edu  
Subject: [124276] Power Plug Size for FT-817  
Message-ID: <7075EBF5.2D4D7272.00002CC1@aol.com>  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Hi - Can someone tell me the correct size dc power plug that goes into the FT-817  
---- for some reason I don't see it in the manual but they do tell you how to wire  
it??

72's - Norm - K9NK

k9nk@aol.com

-----  
Date: Tue, 09 Apr 2002 16:31:18 -0400  
From: Charlie Fitts <cfitts@snet.net>  
To: qrp-1@Lehigh.EDU  
Subject: [124277] Re: Dual gate FET's  
Message-ID: <5.0.2.1.1.20020409162123.00a1aec0@pop.snet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

One person questioned the suitability of the 2N7000 as an RF device, so  
knowing a challenge when I hear one, I bread boarded a simple untuned  
crystal oscillator using one of the devices. My junk box yielded old  
computer crystals of 8.000, 12.28, and 20.000 MHz respectively. They all  
worked.

The 20 MHz crystal sounded a little chirpy, but sounded fine once it



started oscillating.

So lets not write off the 2N7000 as an RF device before giving it a try. I'm not claiming that it's an ideal replacement for the 40673 (using two 2N7000's in parallel) or anything else, but it does seem to warrant more experimentation at RF.

Charlie Fitts, N1EI

-----  
Date: Tue, 09 Apr 2002 16:16:16 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [124278] Frequency Counters  
Message-ID: <3.0.6.32.20020409161616.007bba00@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

And if you'd like a counter with digits you see rather than hear, I still have about 35 of the little 7 segment- LED counters left. Not likely you'll see another run of these again. Get 'em while you can!  
Details at: <http://www.qsl.net/kd1jv/ddial.HTM>

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 09 Apr 2002 15:54:06 -0500  
From: Chuck Carpenter <w5usj@9plus.net>  
To: qrp-l@lehigh.edu  
Subject: [124279] Re: Power Plug Size for FT-817  
Message-ID: <3.0.2.32.20020409155406.0083d100@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Norm,

The size is 4.7mm OD x 1.7mm ID and the Radio Shack Cat No. 274-1533 will work fine.

You can find lots of other information about the FT-817 from the FT817 site.

<http://groups.yahoo.com/group/FT817/>

-----

At 04:15 PM 04/09/2002 -0400, you wrote:

>Hi - Can someone tell me the correct size dc power plug that goes into the  
FT-817 ---- for some reason I don't see it in the manual but they do tell  
you how to wire it??

>

>72's - Norm - K9NK

>

>k9nk@aol.com

>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1  
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275  
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

-----

Date: Tue, 9 Apr 2002 14:08:20 -0700 (PDT)

From: Jim Durkin <jimdurkin@yahoo.com>

To: qrp-l@lehigh.edu

Subject: [124280] Wright Tapes - Still in business?

Message-ID: <20020409210820.6952.qmail@web13005.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Is Wright Tapes still producing CW tapes? Know how to  
contact?

Tnx and 73

Jim kt4a

-----  
Do You Yahoo!?

Yahoo! Tax Center - online filing with TurboTax

<http://taxes.yahoo.com/>

-----

Date: Tue, 9 Apr 2002 17:10:26 -0400

From: "Lee Mairs" <lmairs@cox.rr.com>

To: <kd1jv@moose.ncia.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [124281] Re: Frequency Counters

Message-ID: <014901c1e00a\$f96316c0\$6401a8c0@cox.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

And, if you can't get one of Steve's kits to work, it surely won't be his fault. He has been incredibly quick to help me with emails when I've stumbled. Plus, his stuff his good looking and works great.  
No financial interest ya-di-dah-di-dah...  
73 de Lee  
KM4YY

Never be afraid to try something new. Remember, amateurs built the ark.  
Professionals built the Titanic.  
--Unknown

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, April 09, 2002 4:16 PM  
Subject: Frequency Counters

> And if you'd like a counter with digits you see rather than hear, I still  
> have about 35 of the little 7 segment- LED counters left. Not likely  
you'll  
> see another run of these again. Get 'em while you can!  
> Details at: <http://www.qsl.net/kd1jv/ddial.HTM>  
>  
>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 09 Apr 2002 17:32:08 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [124282] Re: Dual gate FET's  
Message-ID: <3.0.6.32.20020409173208.007b6100@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>So lets not write off the 2N7000 as an RF device before giving it a  
>try. I'm not claiming that it's an ideal replacement for the 40673 (using

I've used the 2N7000 up to 50 Mhz, as an RF driver. It has a pretty low gate input capacitance. I understand the '7000 is similer to a VN10K, but lower power.

As for using it as a sub for a dual gate, that I doubt.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 9 Apr 2002 17:48:40 -0400  
From: "DIANNE M WISE" <roy537@prodigy.net>  
To: <K9nk@aol.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124283] Re: Power Plug Size for FT-817  
Message-ID: <007101c1e010\$50b19b40\$2c97ff3f@rcrosier>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The FT817 discussion group on "Yahoo Groups" has a FAQ page that answers that and millions of other questions about the radio. Well worth your time to read their FAQ if you own that radio. 72, Roy KE0UQ/8

----- Original Message -----

From: <K9nk@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, April 09, 2002 4:15 PM  
Subject: Power Plug Size for FT-817

> Hi - Can someone tell me the correct size dc power plug that goes into the FT-817 ---- for some reason I don't see it in the manual but they do tell you how to wire it??

>

> 72's - Norm - K9NK

>

> k9nk@aol.com

-----

Date: Tue, 9 Apr 2002 15:00:17 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: igeq100@iupui.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [124284] Re: OT: rig prices  
Message-ID: <Pine.LNX.4.44.0204091458590.3941-1000000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

That's a good web page. I find that my TS-50S and FT-817 are still worth what I paid.

On Tue, 9 Apr 2002 igeq100@iupui.edu wrote:

> Hi, Dave -  
>  
> The site is <http://www.aade.com/> Scroll down to near the bottom  
> of the home page. BTW, this is a very interesting and useful site.  
>  
> 72,  
> Rich, WB9LPU  
>  
> On Tue, 9 Apr 2002, David Heintzleman wrote:  
>  
> > not long back, someone posted a site where you could see what various  
> > rigs have sold for - I want to check on going value of a rig before  
> > offering to sell it-  
> > thanks  
> > Dave K8BBM  
> >  
> >  
> >  
> >  
>  
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Tue, 09 Apr 2002 17:56:25 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu

Subject: [124285] Picked up the new rig at the Post Office today  
Message-ID: <F31lYLDfUt1PyksZAIE00005d7c@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

USPS tried to deliver it yesterday but of course I was at work.  
So, stopped by the PO on my way home from work today.  
Also stopped by my folks place to make a minor readjustment to the video settings on their PC.  
Finally got home...fed B-Dog (short for Ellie Belle)...  
Then ripped open the nice Priority mailer hickey.

This is my lucky day...  
Got one of the early DSW-40 rigs with the swell, milled front and rear panels and 'eight-corners' case screws...  
PLUS, it has 'Small Wonder Labs'...all spelled out (engraved) on the front panel.

Puts out a good 1R5 watts into a dummy (Bill) load.  
Was just reading the mail of a coupla guys on 7040...rcvr sounds great.  
Very nice build job too.  
This rig came from one of our NOGA pals down in the deep South...icing on the cake... :)

What a beautiful rig...many thanks, Joe!

Let's see now...where will I get those DSW-80 conversion parts...hmmm...

73.  
Bill, N4QA

---

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

-----

Date: Wed, 10 Apr 2002 02:59:29 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Cc: "Jay Bromley" <w5jay@alltel.net>  
Subject: [124286] Arkiecon, Part 1 (Long)  
Message-ID: <004201c1e076\$6a706c80\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I left Tuesday evening to drive to Sacramento where I stayed with my daughter and her husband so that they could take me to the airport at 6:00 AM for my flight to Tulsa via Dallas (more about Dallas later). Excitement was high as I was going to kill two birds with one stone, I was going to visit an old college buddy, and I was going on to Arkiecon!! The flights were uneventful and I landed in Tulsa about 4:00, rented a car and then off to Joplin to see my buddy and his wife. We had a nice visit, and I guess the most interesting thing was finding out that Danny's Bar in Chicopee, is now a church. Gee, I spent lots of time there, but had no idea it would turn into a church. Kind of reminds me of the song, "First Baptist Bar & Grill". We had a nice visit, but his wife had scheduled them for a "couples card party", canasta or something. Anyway, we had planned on playing guitars again, but if he had stayed home with me, he would have heard about it for months. So, I decided that I would drive on down to Ft. Smith that night. Sure glad that I did, because my friend didn't get in trouble with his wife, and I got to spend some quality time with Dave Yarnes, Vern Wright, JayBob, Kathy, Derek, Tony and Graham as all were there. Kathy barbecued a great Porterhouse steak with all the trimmings, and we had fun eating and visiting.

Friday, we went to lunch with the Judge, Kelsey Mikel, and were disappointed that Governor Dooley was ill and could not make it. We had a great Chinese luncheon buffet, and even JayBob got out of bed to come. Graham and Tony were impressed with the quality and quantity of the food. We then went to Best Buy where I picked up a "Greatest Hits" album by John Prine. Great stuff. Graham and Tony commented that it was interesting that some things over here were very cheap, while others were quite expensive compared to English prices (I'm talking about things in Best Buy here.)

We went back to JayBob's house where we kitted 20 Tuna Tin 2 kits for the hamfest. (JayBob sold a total of 35 of them. Might have been because he going to have to raise the price to \$15 because of price increases in parts). Pretty soon we heard a familiar voice, Dr. Megacycle, calling on 2 meters. He arrived soon after, and went right to the fridge for a beer. JayBob was ready and had one waiting, grin. Dr. Megacycle and Norm of Cheers would have been good friends. Soon it was time to go to the Rib Eye, where we had the no host dinner. And, I get to solve a mystery here. The man responsible for the complimentary fried cukes and turkey fries was none other than the organizer of the event, Keith Newman, W5YCM. Keith does a bang up job every year on the no host banquet, and he paid for all the appetizers for both rooms on his own. Thanks Keith from everyone. Boy was my steak good, and as always, Keith made sure that we had an attractive waitress to wait on us. He knows how to treat a guy's eyes to good scenery.

Afterwards, we went to the hotel, where we found Nick Kennedy and Chuck Carpenter playing bluegrass. DerekBob and I joined right in there, and we started to pick and grin. I am not a singer, and I had arranged for Dave Yarnes to be there, but he got sidetracked working dx with Vern, so we were

stuck. Nick, Chuck and Derek all claimed not to sing, and I decided ok, here it goes. It will be off key, but I play and sing to have fun, and that is what I did, had some fun. To all of you who had to endure my singing, I apologize, but I did have a lot of fun. Last summer I gave Derek a guitar and told him to learn how to play because I expected him to be able to play along with us at arkiecon. He sure did learn fast, as he did an excellent job, and more than held his own. We played for about 30 - 35 minutes, and then ended with a rousing rendition of Red Wing, with Nick's fingers flying over the lead parts, and Derek, Chuck and I hanging on with they backup and rhythm. We put the instruments away, and then it was time to talk QRP. Nick, wondered over and worked Italy with a marvelous 30 meter transceiver built by Jerry Hall from Iowa. And it was done on a hamstick!! Soon I saw an old friend from back east. Rex Harper, the "tin man" was at arkiecon!! He came all the way from Maine to attend, WOW!! We all visited until about 1:00, then off to bed. More details to follow on the events on Saturday, the official day of Arkiecon!! 72, Doug

-----  
Date: Wed, 10 Apr 2002 03:01:27 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [124287] Need Copy of NC20 Manual  
Message-ID: <004a01c1e076\$b1e7b640\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, does anyone have a copy of the original manual for the NorCal 20 that they would be willing to copy and sent to me. I will be happy to reimburse you for your costs. Thanks, Doug

-----  
Date: Tue, 9 Apr 2002 16:16:23 -0600  
From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
"cqcl-l" <CQCLIST@yahoogroups.com>,  
Subject: [124288] Anderson Power Pole connector usage  
Message-ID: <001501c1e014\$2f9caf90\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Folks,

I've read postings about Anderson Power Pole (APP) connectors recently. I've been using them for a few years now, and have a power distribution system worked out using APPs. I put up a web page with pictures to share my ideas with others who may be interested in doing something similar:

[http://www.radioactivehams.com/~n0rc/app/pwr\\_distrib.html](http://www.radioactivehams.com/~n0rc/app/pwr_distrib.html)

73, Rod N0RC  
Ft Collins, CO

-----  
Date: Tue, 9 Apr 2002 18:24:29 -0400  
From: "Paul Christensen" <w9ac@arrl.net>  
To: <rod@n0rc.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [124289] Re: Anderson Power Pole connector usage  
Message-ID: <026a01c1e015\$50e36760\$6401a8c0@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The APP connectors are excellent for 12 VDC power distribution. These connectors are used exclusively on the West Mountain Radio RigRunner. I don't normally get excited over new products, but the RigRunner is without a doubt the best station accessory I now own. For those interested in knowing more about it, here's a link...

<http://www.westmountainradio.com/RIGrunner.htm>

-Paul, W9AC

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, April 09, 2002 6:16 PM  
Subject: Anderson Power Pole connector usage

> Folks,

>

> I've read postings about Anderson Power Pole (APP) connectors  
> recently. I've been using them for a few years now, and have a power  
> distribution system worked out using APPs. I put up a web page with

> pictures to share my ideas with others who may be interested in doing  
> something similar:  
> [http://www.radioactivehams.com/~n0rc/app/pwr\\_distrib.html](http://www.radioactivehams.com/~n0rc/app/pwr_distrib.html)  
>  
> 73, Rod N0RC  
> Ft Collins, CO  
>

-----  
Date: Tue, 09 Apr 2002 18:23:16 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [124290] Re: More on dual gate MOSFETS  
Message-ID: <5.0.2.1.0.20020409180959.00aa04f0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Brad. What particular virtues does that FET have and who makes it. Sounds like a Phillips or Seimans#  
It seems that there are quite a few DG MOSFETS out there.....you just have to do some scratching for them.  
73 Pete NV4V

'At 04:21 PM 4/9/2002 +0000, Brad Hernlem wrote:  
>Pete Burbank (plburbank@kih.net) sez:  
>>I checked Dan's Small Parts and he  
>>seems to have some 40673s and 40822s so ordered some ....  
>  
>Talking about DG MOSFETs, anyone know a source for small quantities of  
>BF998? Anyone have a few for sale or trade?  
>  
>Brad KG6IOE  
>  
>  
>  
>-----  
>Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.  
>

-----  
Date: Tue, 9 Apr 2002 16:49:39 -0600  
From: "Mugleston, Brad" <brad.mugleston@gwl.com>

To: CQCLIST@yahoogroups.com,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>,  
Subject: [124291] RE: [CQCLIST] Anderson Power Pole connector usage  
Message-ID: <F9645092A142D3118CBD00805F15292E1BAC9AB8@eb-mail1.gwl.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Rod,

This look great but I remember a few years ago a push to get everyone using the same connectors so in a real emergency situation anyone could use anyone's wires/power supply etc. The decision on what connector to use was based on a connector available all over the country and easy to get. The two conductor keyed Molex unit sold by Radio Shack and other places was chosen.

I guess if you don't want to share it doesn't matter what connector you use but if you ever have the need it would be nice to use a standard connector (anyway all my rigs have that big ugly connector on them and I don't have time to change, again).

They do look good though - where can someone pick up a few to play with?

de KI00T, Brad

> -----Original Message-----  
> From: Rod N0RC [SMTP:rod@n0rc.com]  
> Sent: Tuesday, April 09, 2002 4:16 PM  
> To: Low Power Amateur Radio Discussion; cq-c-1; Elecraft-list; n0rc-1  
> Subject: [CQCLIST] Anderson Power Pole connector usage  
>  
> Folks,  
>  
> I've read postings about Anderson Power Pole (APP) connectors  
> recently. I've been using them for a few years now, and have a power  
> distribution system worked out using APPs. I put up a web page with  
> pictures to share my ideas with others who may be interested in doing  
> something similar:  
> [http://www.radioactivehams.com/~n0rc/app/pwr\\_distrib.html](http://www.radioactivehams.com/~n0rc/app/pwr_distrib.html)  
>  
> 73, Rod N0RC  
> Ft Collins, CO  
>  
>  
> ----- Yahoo! Groups Sponsor ----->  
> Buy Stock for \$4  
> and no minimums.  
> FREE Money 2002.

> <http://us.click.yahoo.com/k6cvND/n97DAA/ySSFAA/ELTo1B/TM>  
> -----~>  
>  
> To unsubscribe from this group, send an email to:  
> CQCLIST-unsubscribe@yahoogroups.com  
>  
>  
>  
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>  
>

-----  
End of QRP-L Digest 2520

\*\*\*\*\*  
-----